

Figure 1A

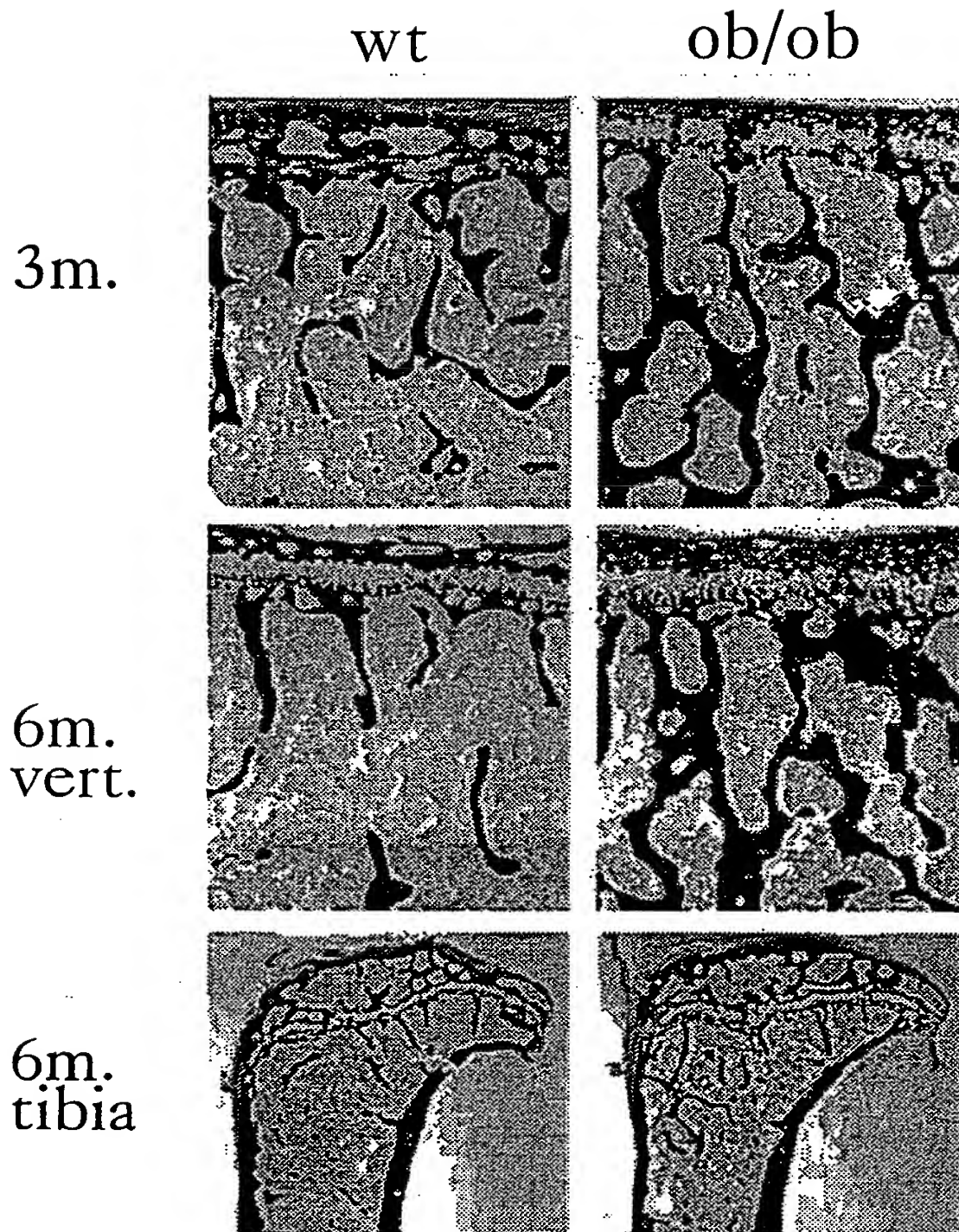


Figure 1B

Bone Volume
(BV/TV, %)

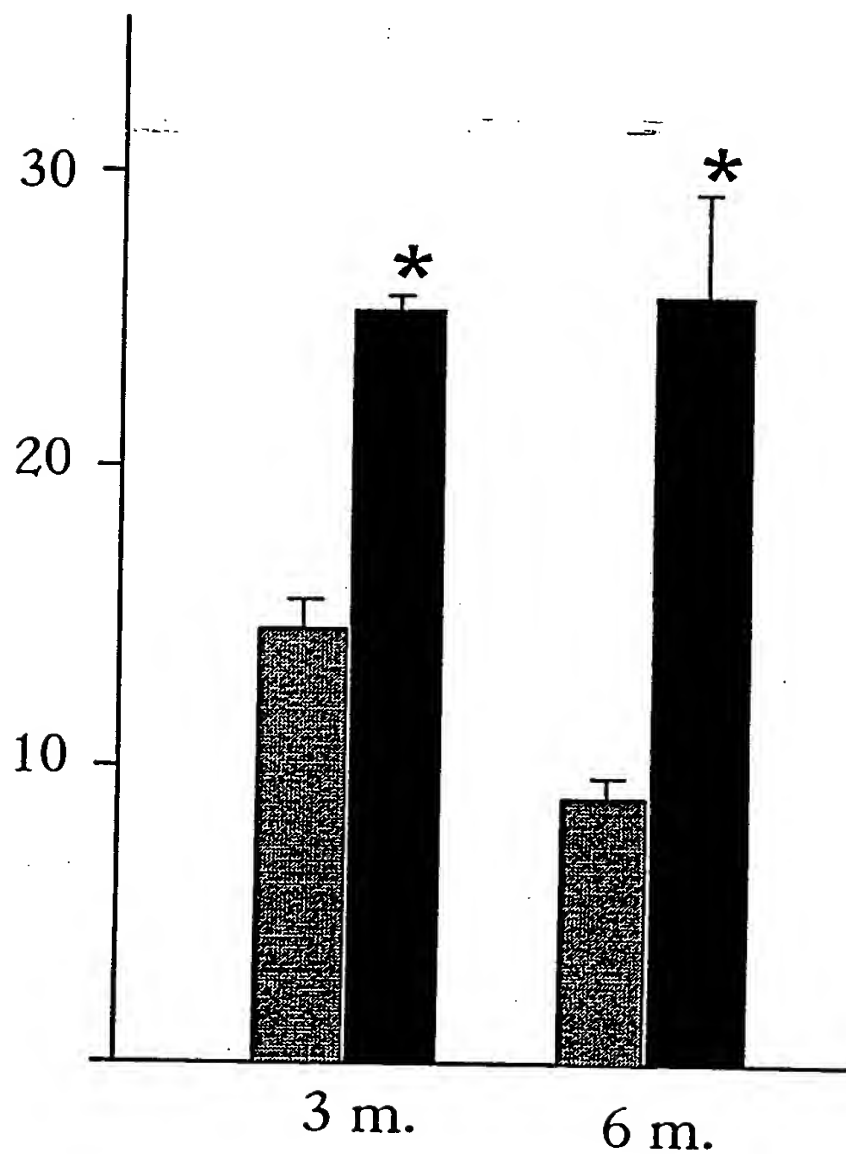


Figure 1C

Load to Failure (%)

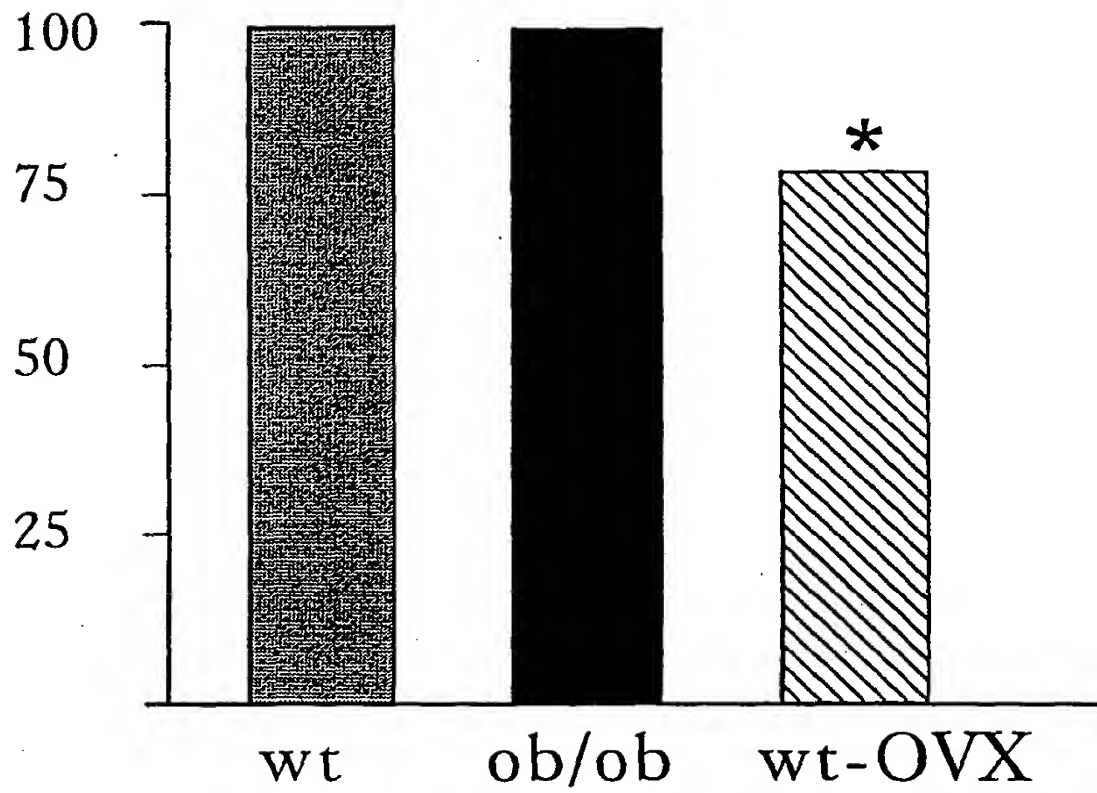


Figure 1D

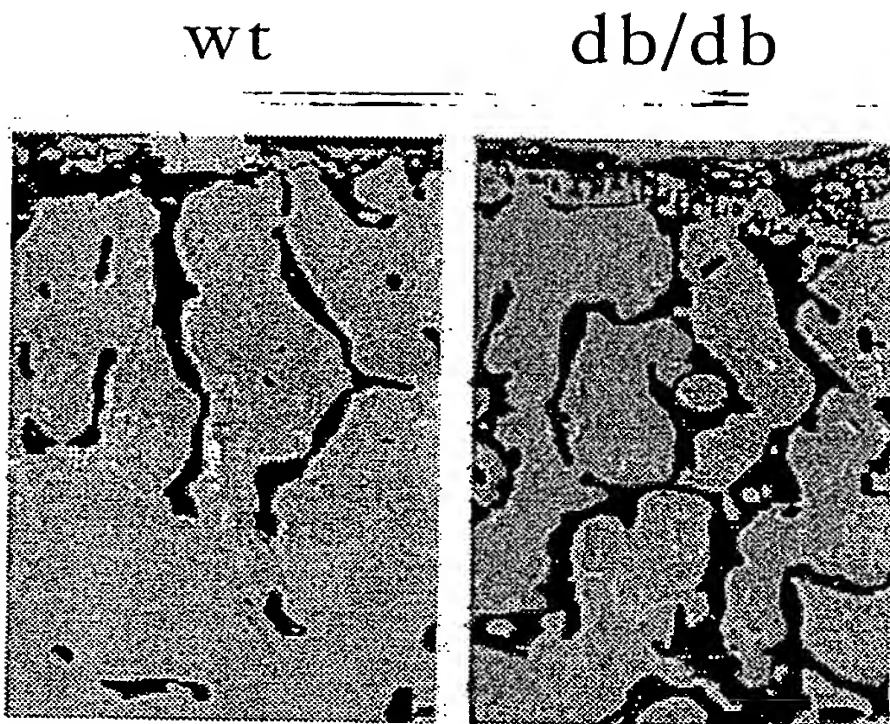


Figure 1E

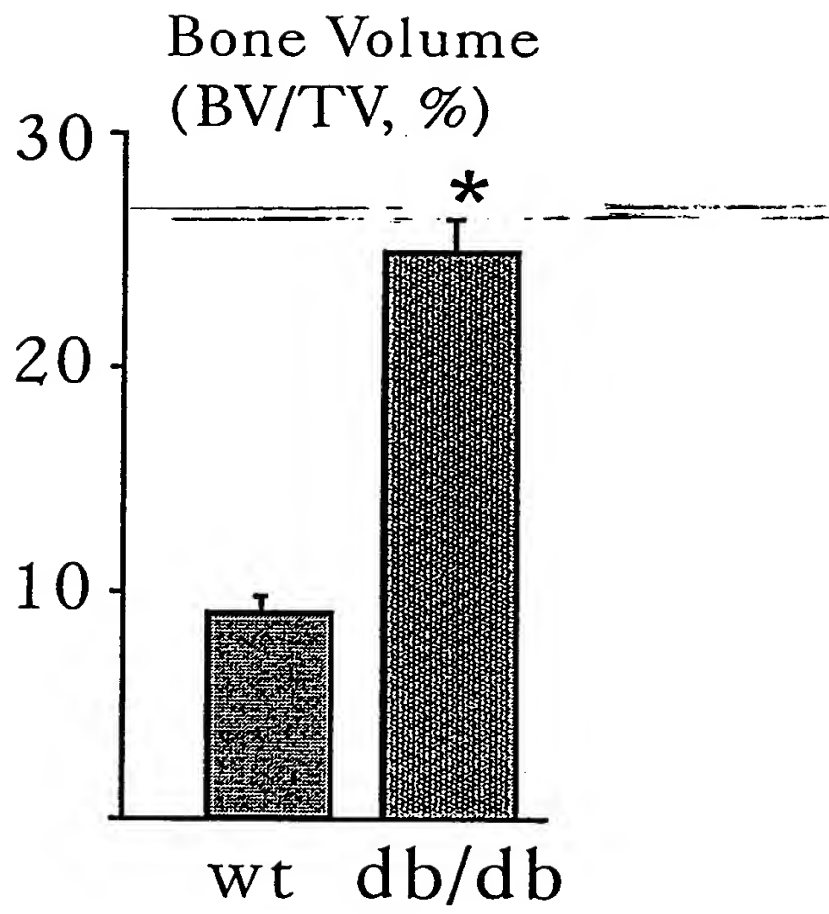
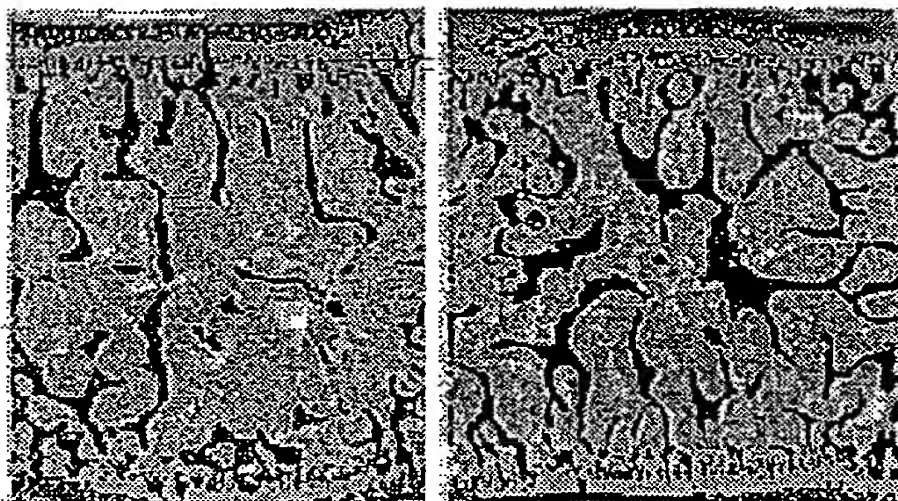


Figure 1F

wt. 1 mo

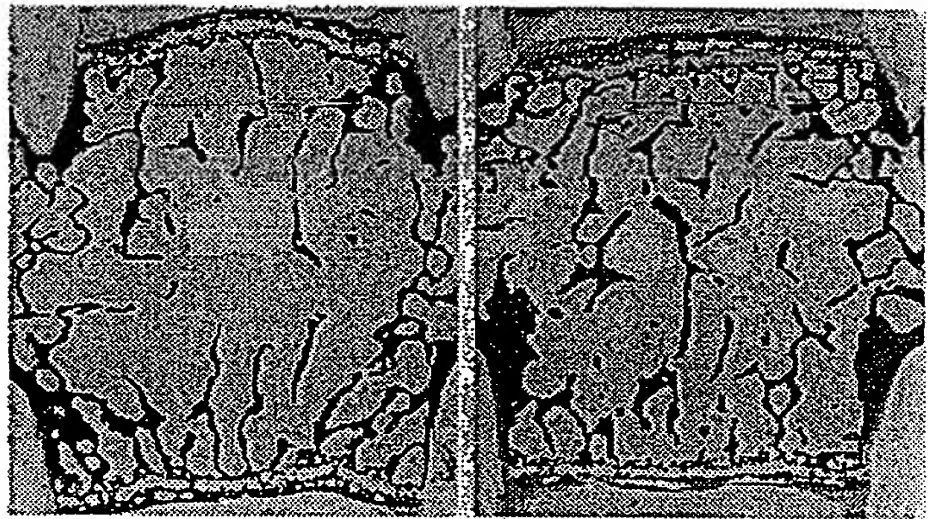
ob/ob 1 mo
LFdiet

B. Weight (g)	17.8 ± 3.1	20.3 ± 1.6
Bone Vol. (%)	13.8 ± 1.0	<u>25.1 ± 1.4</u>

Figure 2A

wt

ob/+

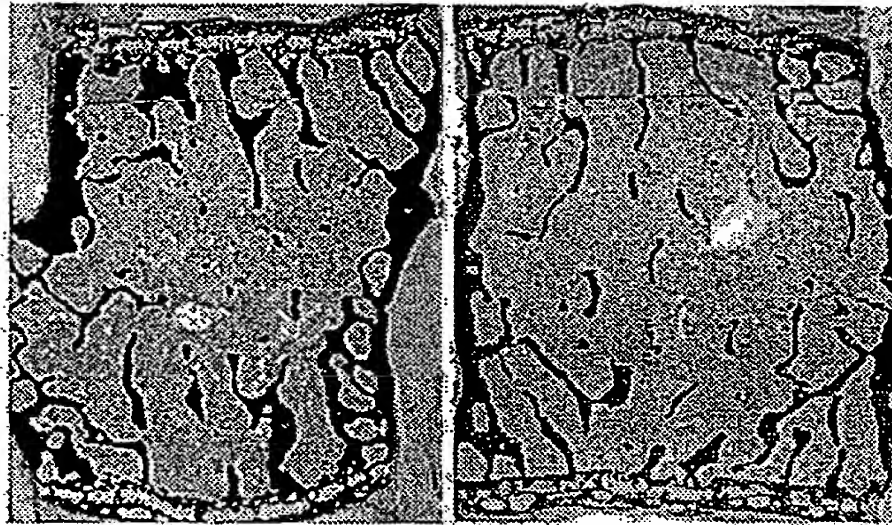


B. Weight (g)	20.4 ± 0.7	19.63 ± 0.2
Bone Vol. (%)	12.9 ± 0.9	<u>21.0 ± 0.7</u>

Figure 2B

wt

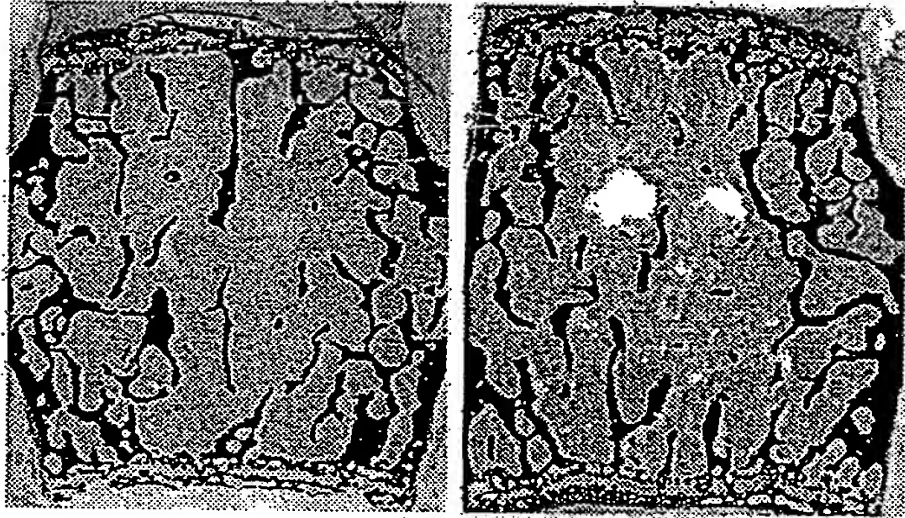
Ay/a



B. Weight (g)	20.5 ± 0.6	<u>27.7 ± 1.9</u>
Bone Vol. (%)	14.0 ± 1.2	12.1 ± 0.8

Figure 2C

wt wt
Normal diet HF diet



B. Weight (g)	20.0 ± 0.3	<u>29.8 ± 0.6</u>
Bone Vol. (%)	14.0 ± 1.2	14.4 ± 0.8

Figure 2D

wt

ob/ob

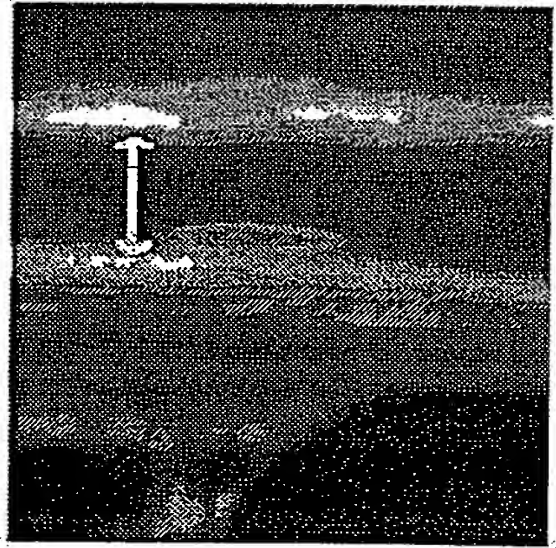
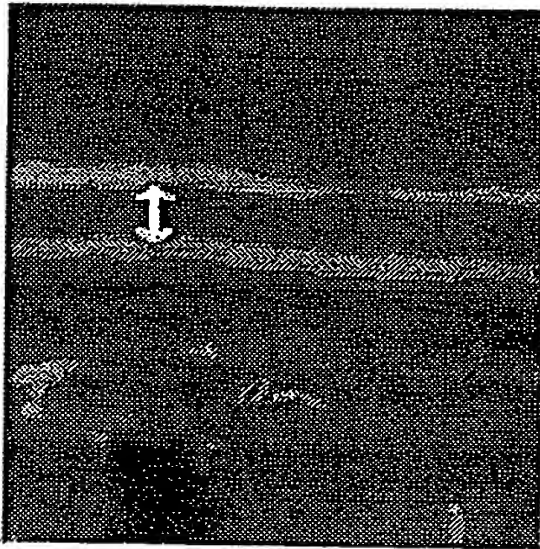


Figure 3A

Bone Formation Rate ($\mu\text{m}^3/\mu\text{m}^2/\text{year}$)

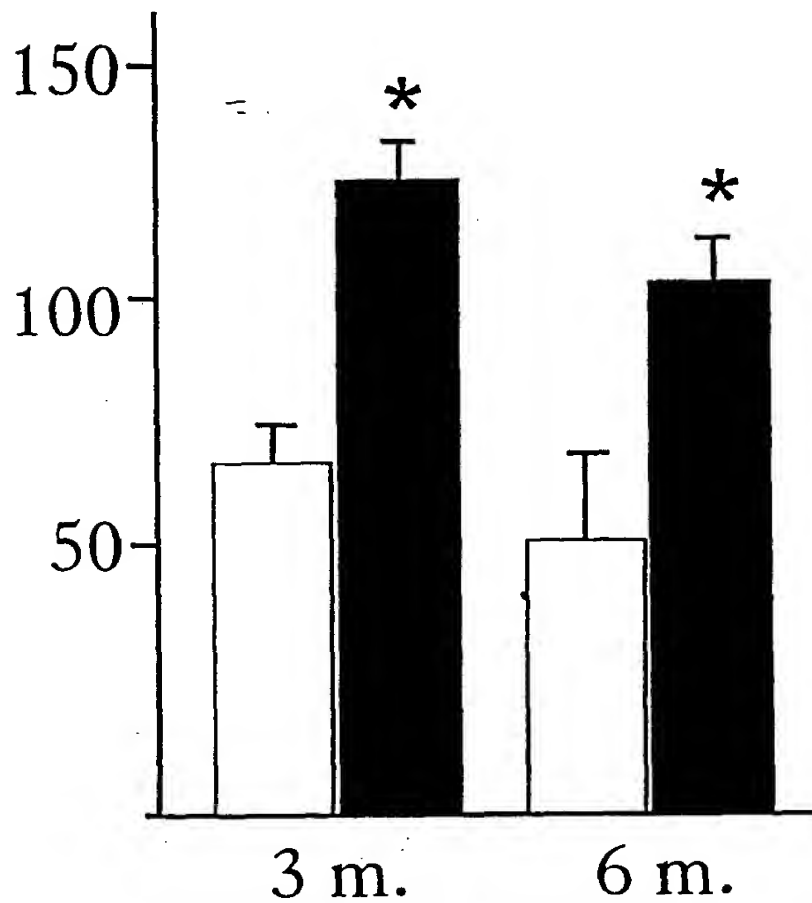


Figure 3B

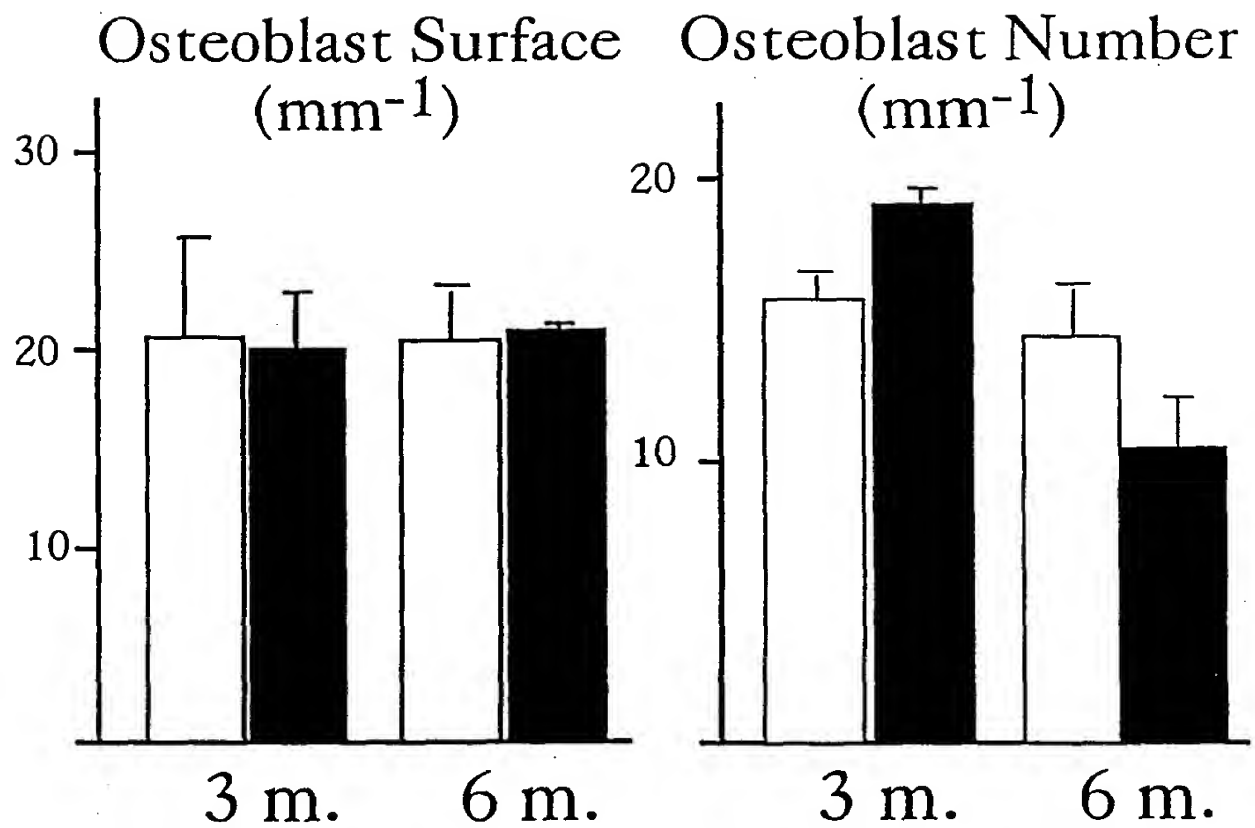


Figure 3C

Bone Formation Rate ($\mu\text{m}^3/\mu\text{m}^2/\text{year}$)

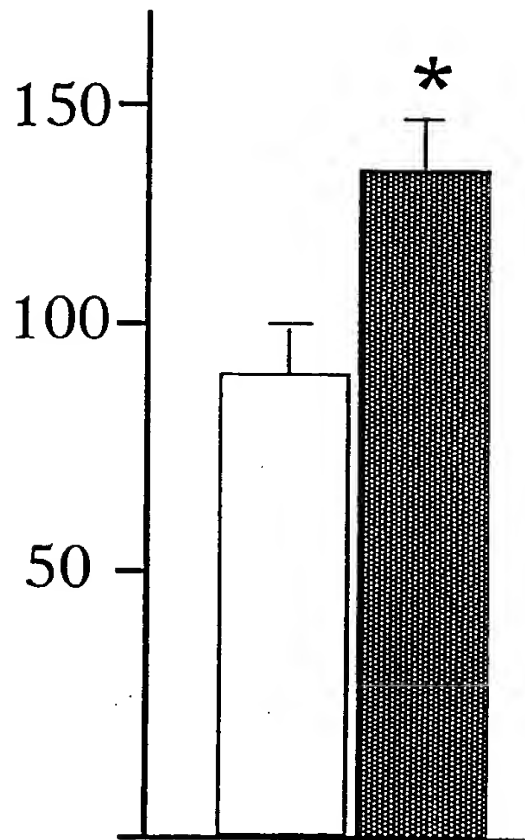


Figure 3D

Osteoblast Number (mm⁻¹)

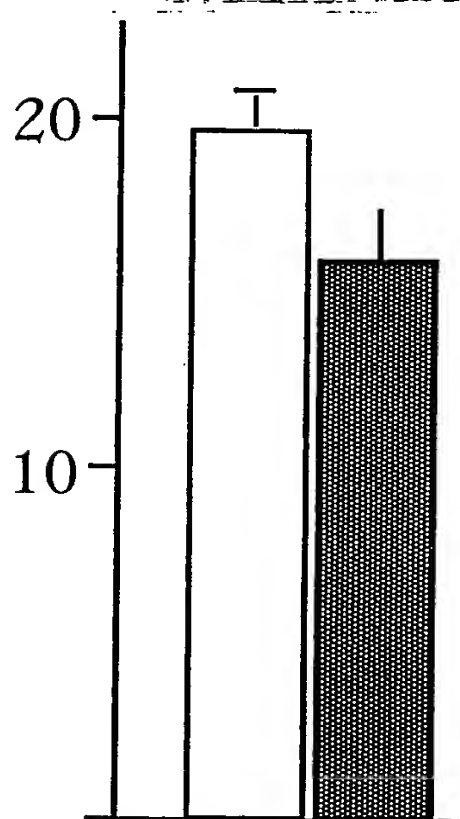


Figure 3E

Osteoclast Number (mm⁻¹)

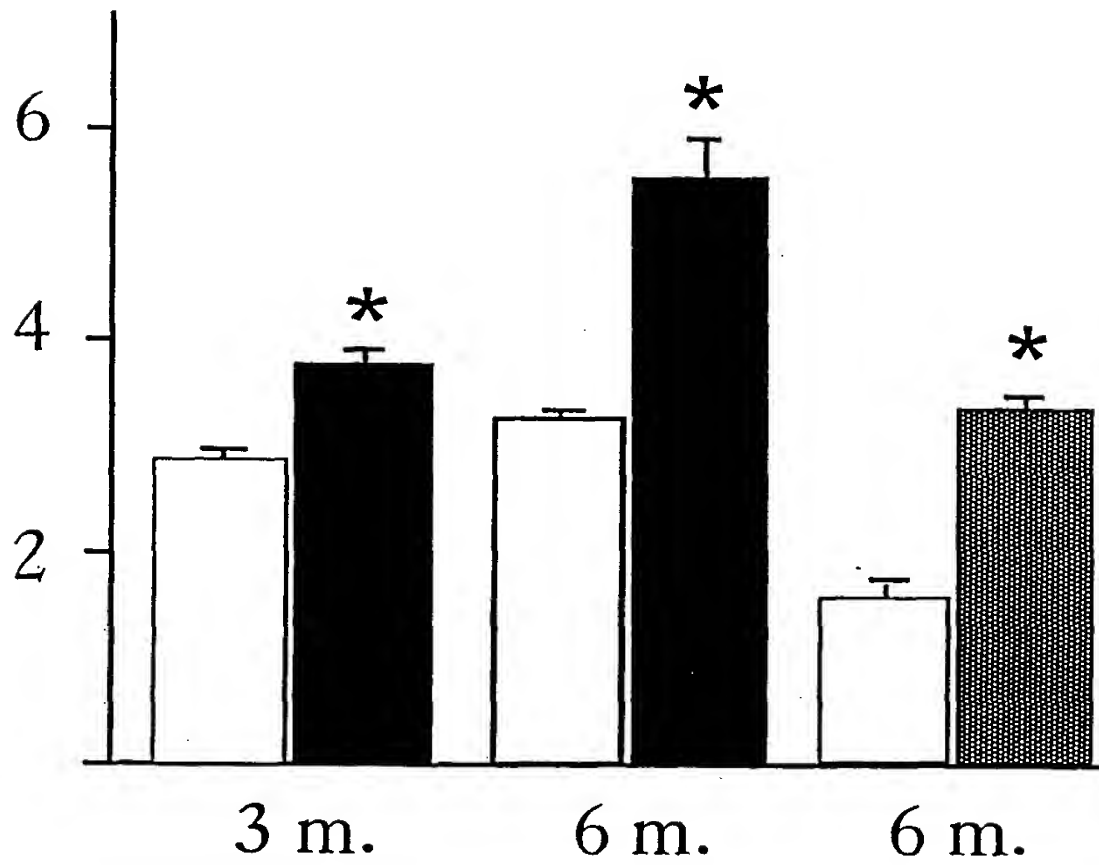


Figure 3F

Bone Formation Rate ($\mu\text{m}^3/\mu\text{m}^2/\text{year}$)

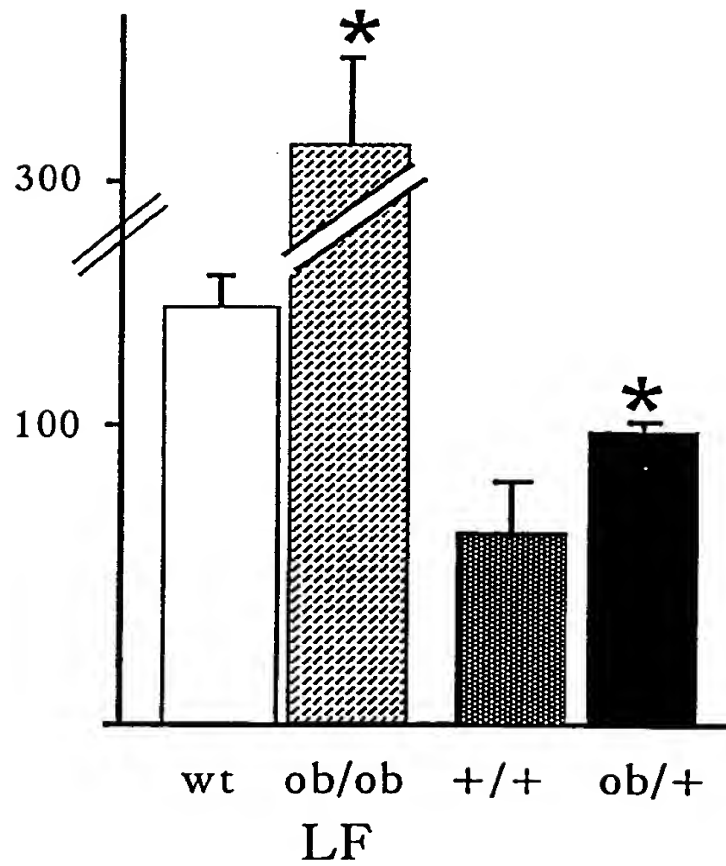


Figure 3G

Bone Formation Rate ($\mu\text{m}^3/\mu\text{m}^2/\text{year}$)

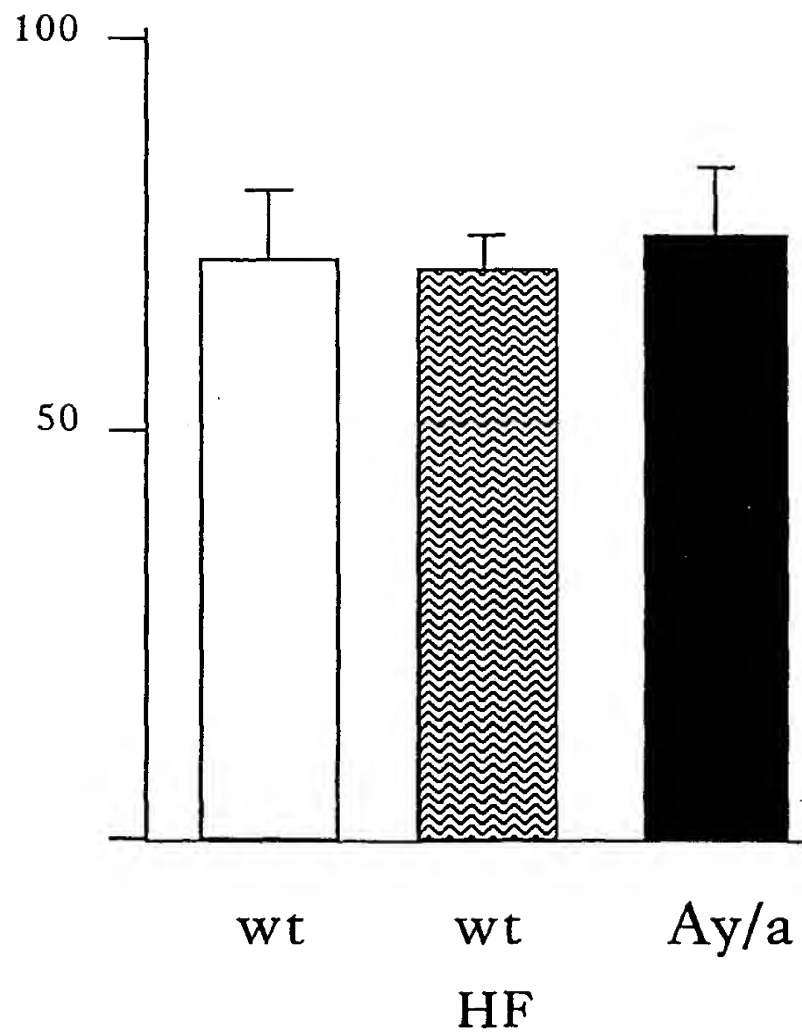


Figure 3H

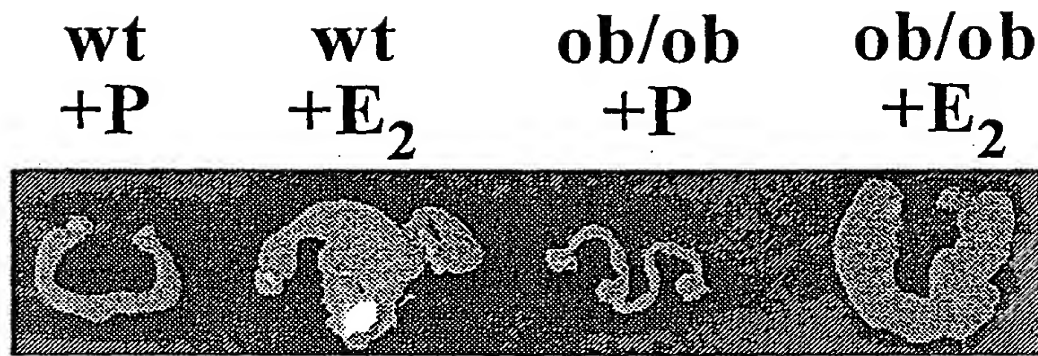


Figure 4A

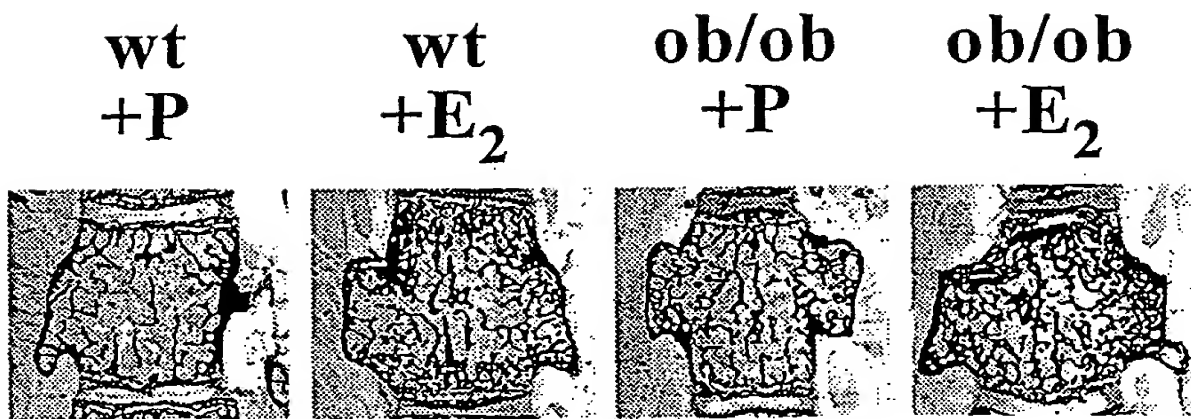


Figure 4B

Osteoclast Number (mm⁻¹)

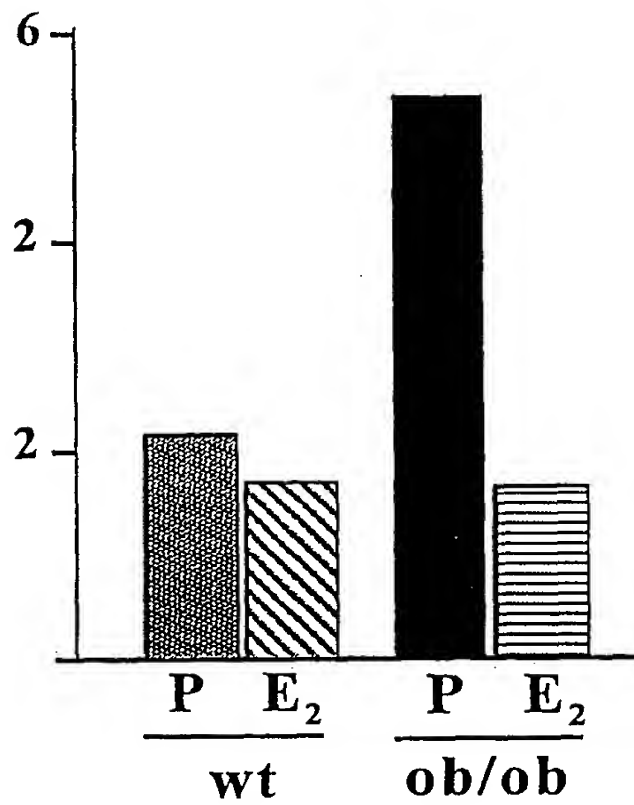


Figure 4C

Bone Volume (BV/TV, %)

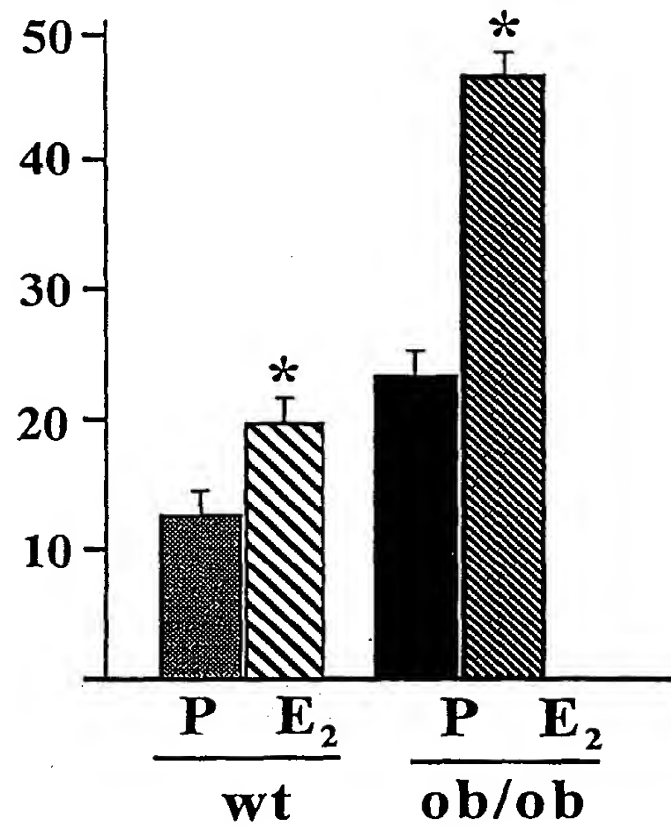


Figure 4D


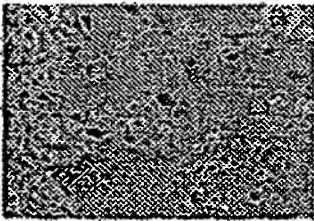
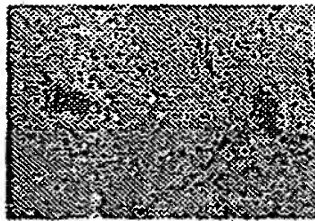

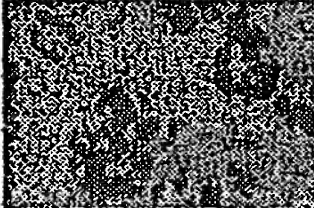
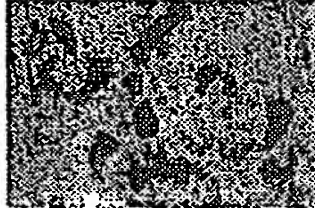
	wt	ob/ob	db/db
TRAP Activity			
Pits Formation			
TRAP+ cells/ Field of view	60 ± 5.9	58.5 ± 11.3	52.3 ± 7.4

Figure 4E

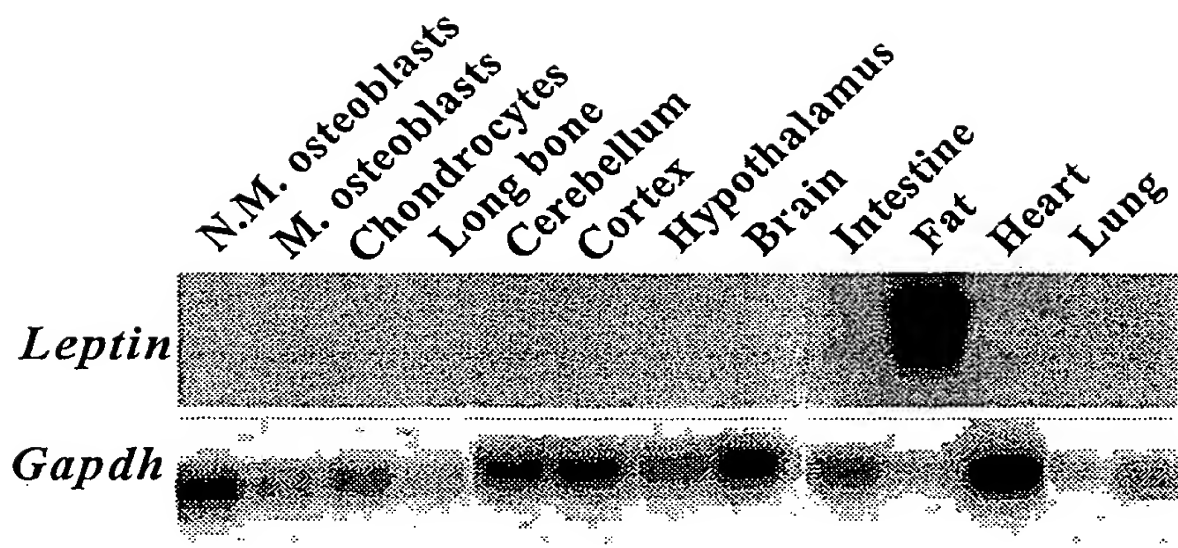


Figure 5A

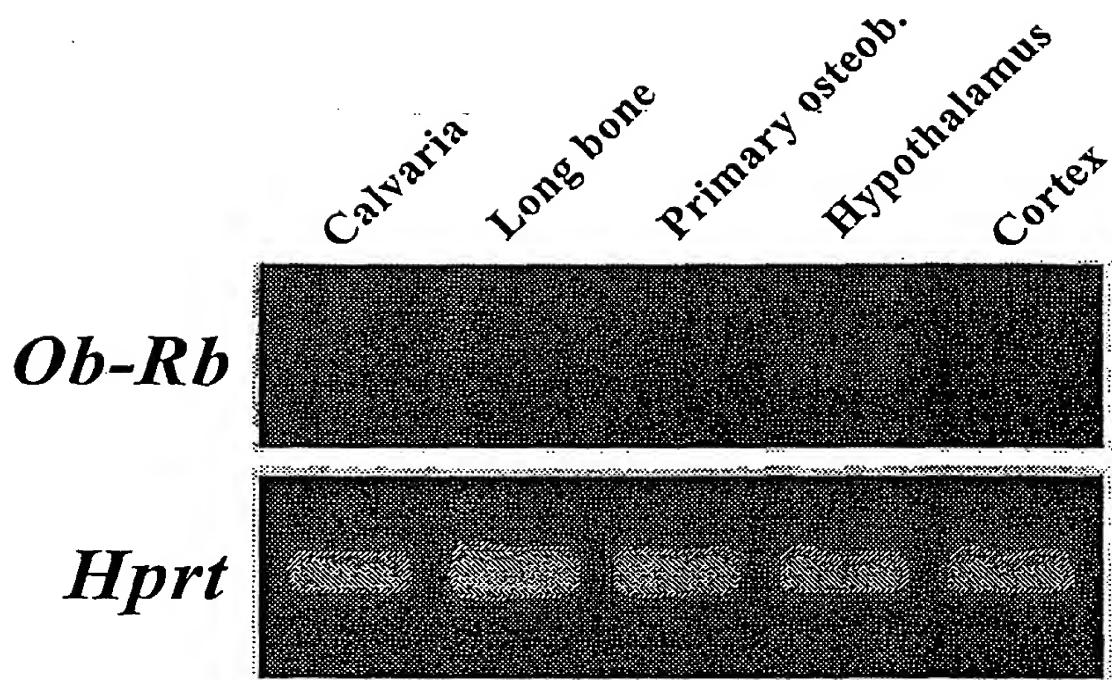


Figure 5B

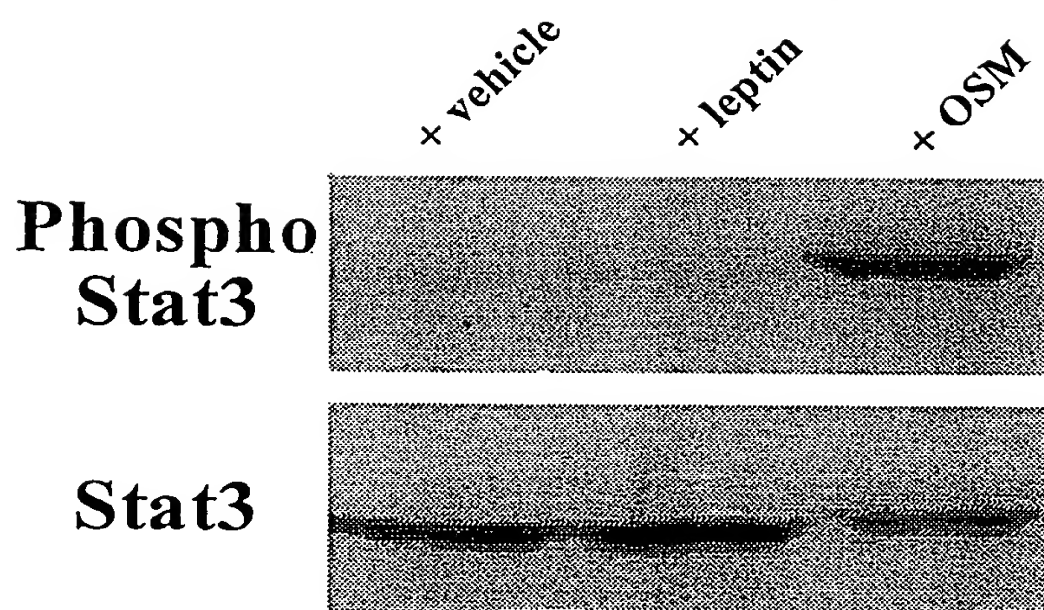


Figure 5C

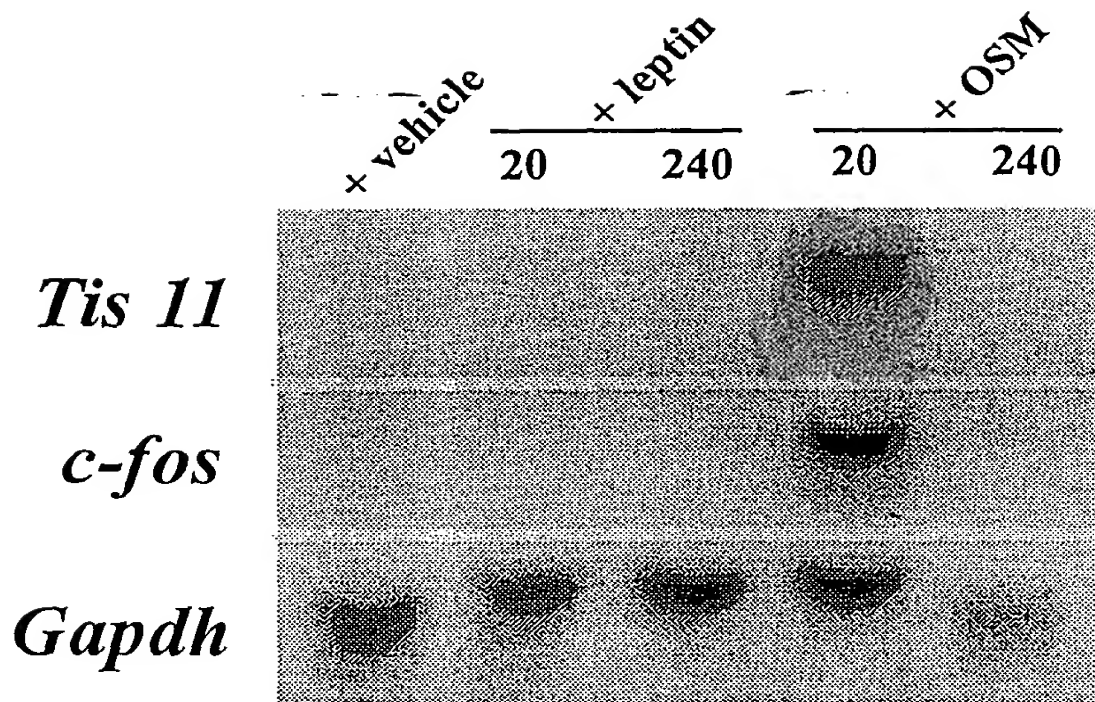


Figure 5D

+ vehicle

+ leptin

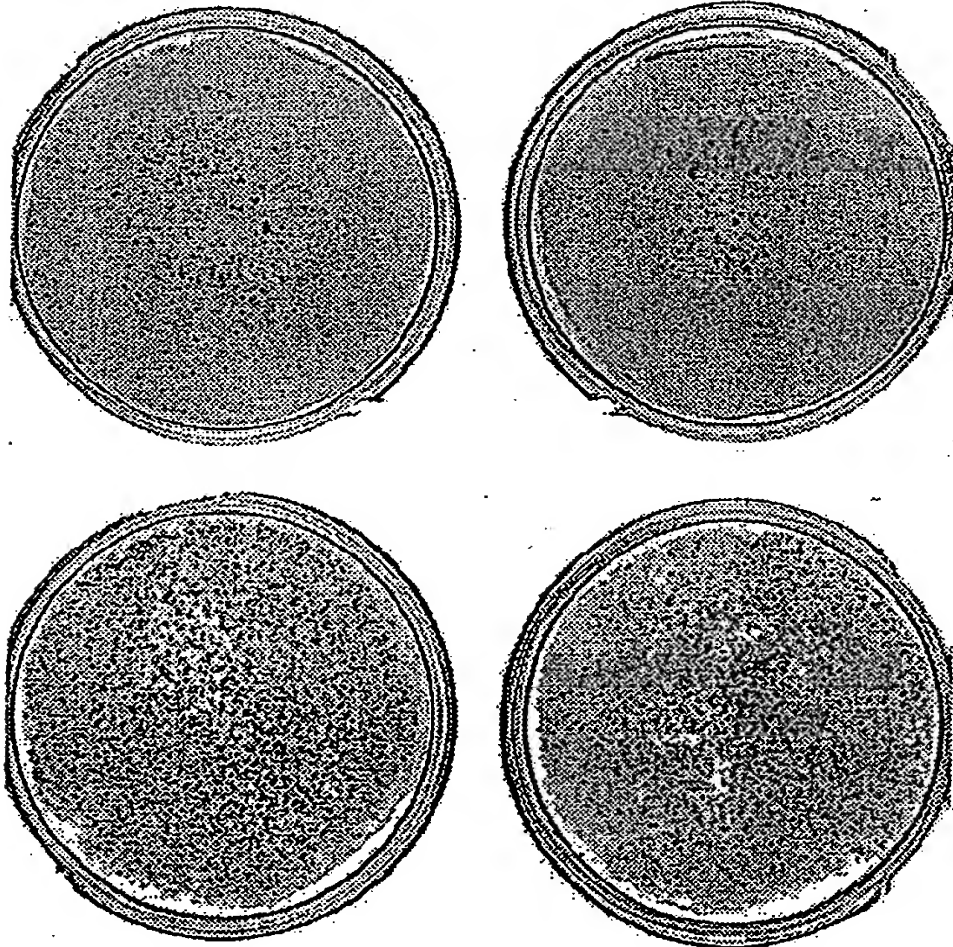


Figure 5E

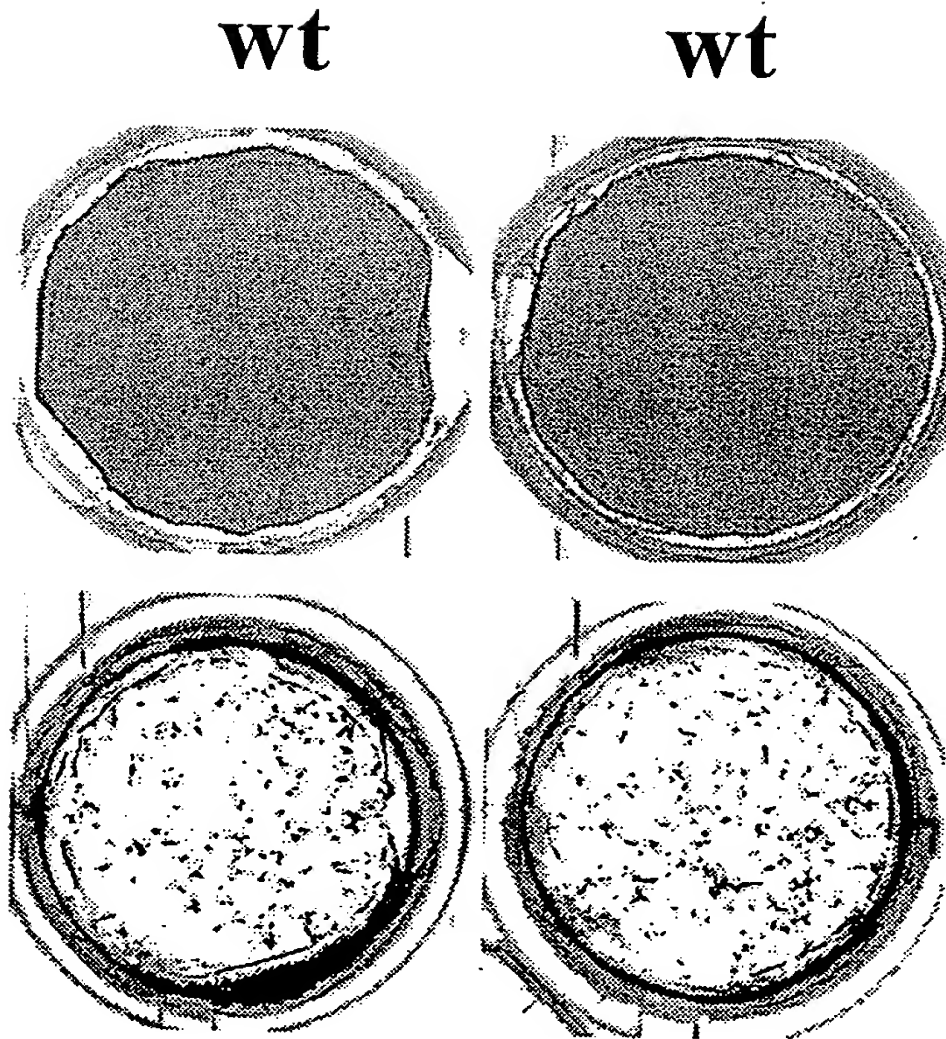


Figure 5F

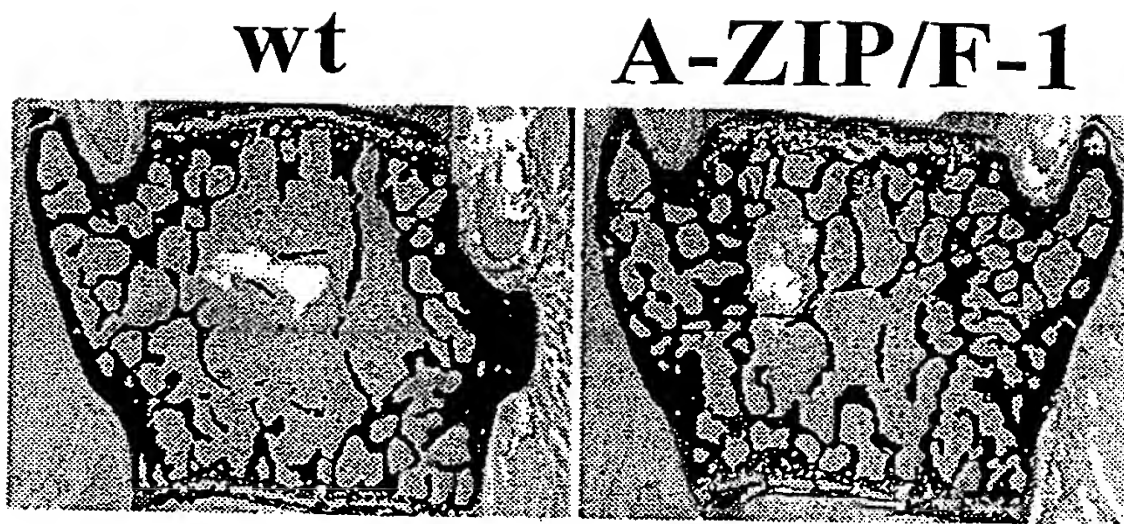


Figure 6A

Bone Volume (BV/TV, %)

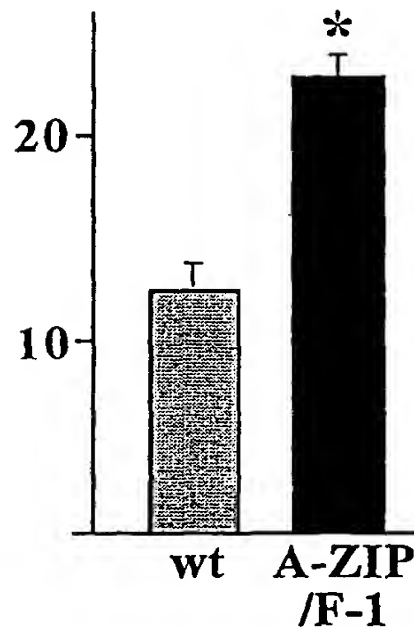


Figure 6B

Bone Formation Rate ($\mu\text{m}^3/\mu\text{m}^2/\text{year}$)

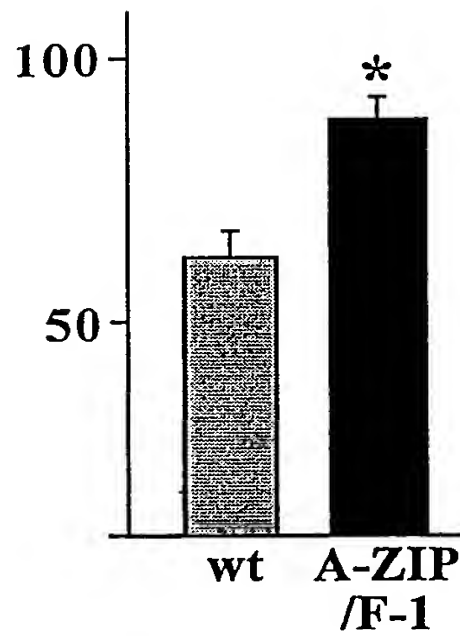


Figure 6C

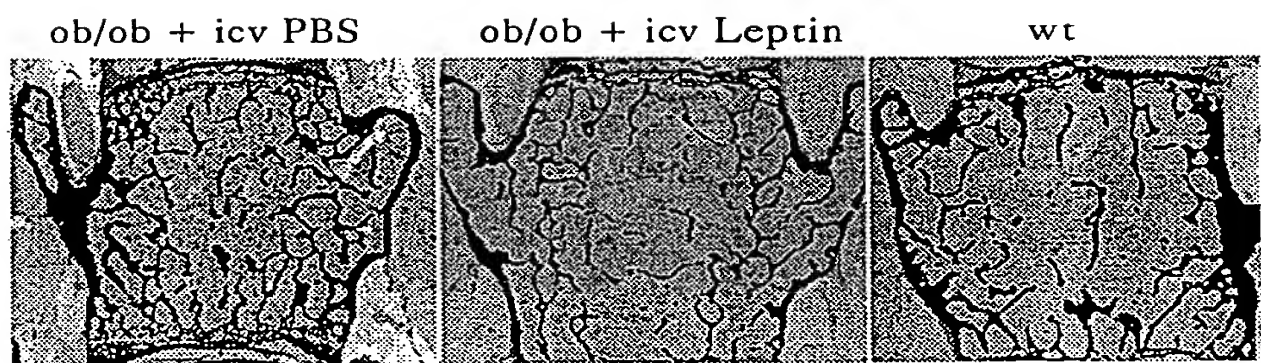


Figure 7A

Bone Volume (BV/TV, %)

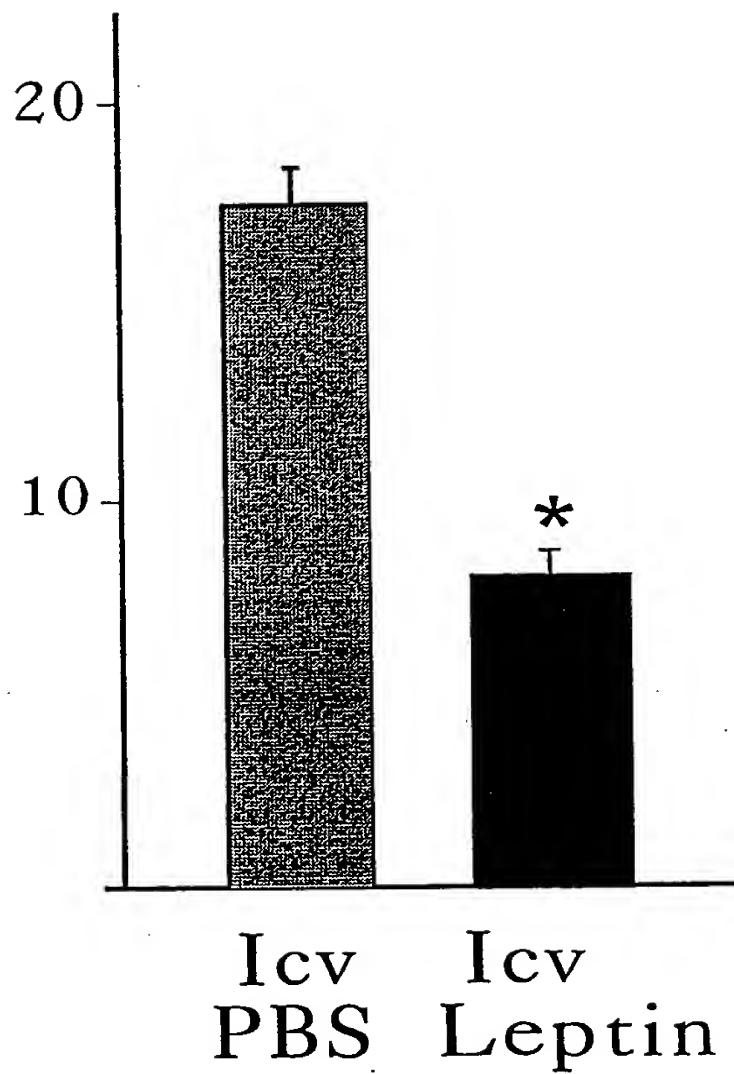


Figure 7B

Trabecular Thickness (μm)

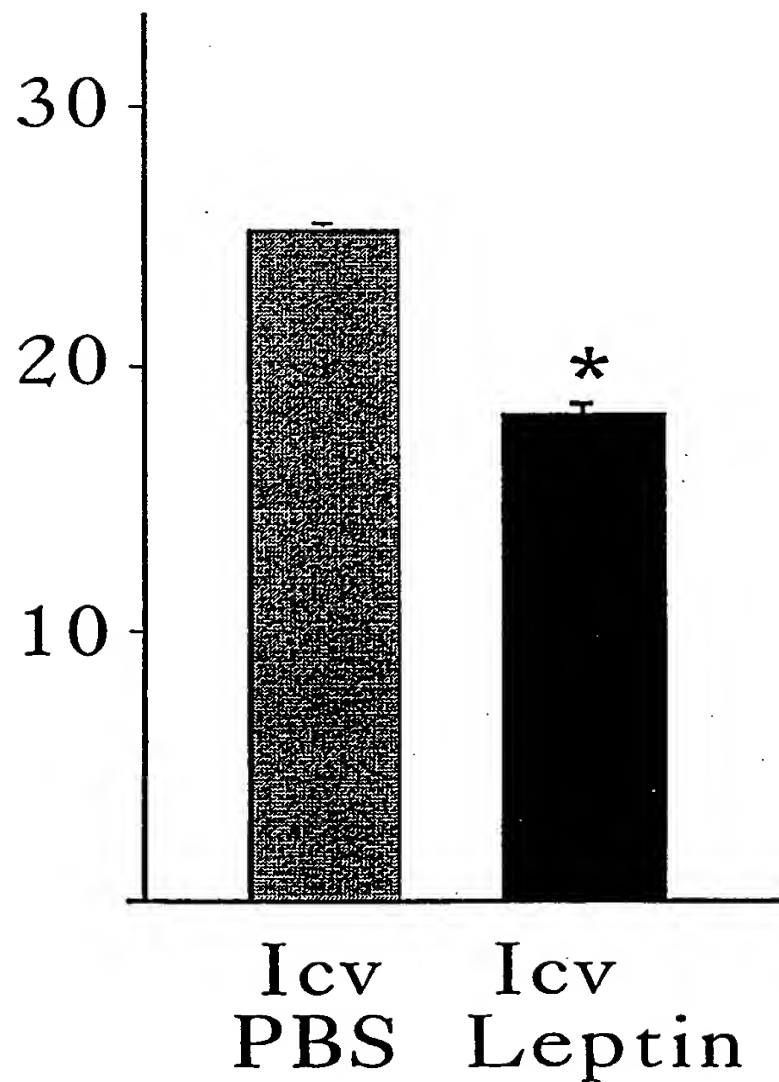


Figure 7C

Bone Formation Rate ($\mu\text{m}^3/\mu\text{m}^2/\text{year}$)

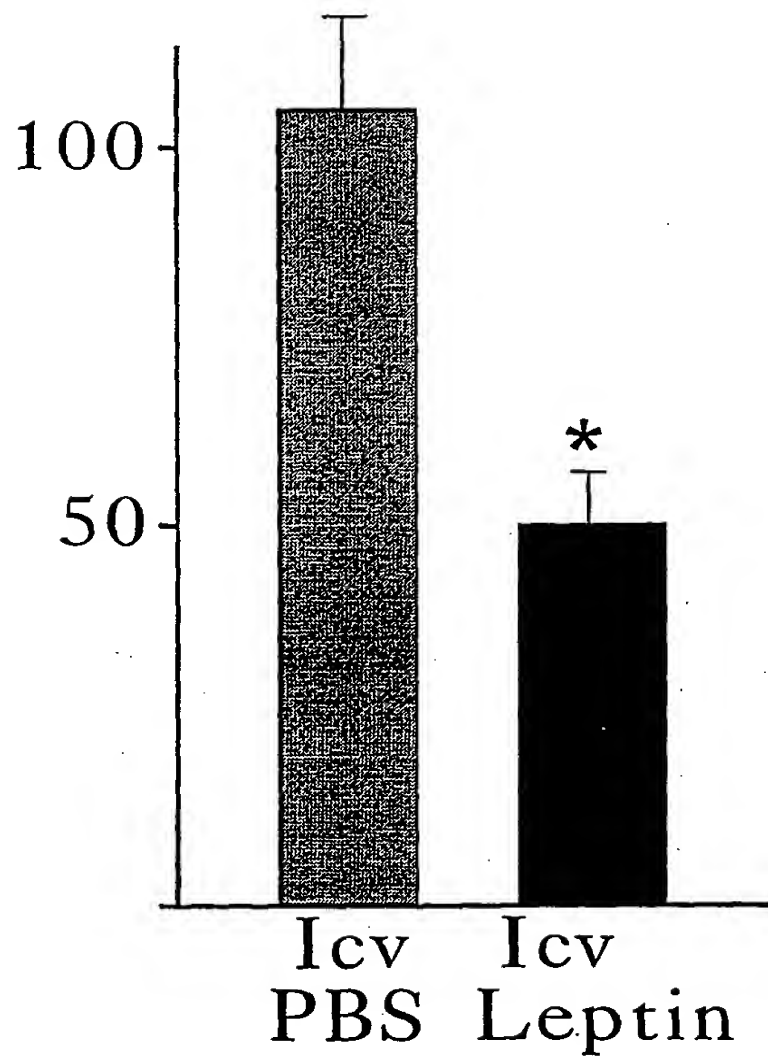


Figure 7D